6	Providing wash basin brackets of approved 1st quality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot	Pair	240	19.20	259.20	6	1555.2
7	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia	Each	150.00	12.00	162.00	8	1296
8	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain						57793.176
a	do - 110 mm dia	m	434	34.72	468.72	123.3	136076.36
b	do - 160mm dia	m	853	68.24	921.24	147.71	**293665.856**
					TOTAL		
9	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm (P.No. 75/ I.No.11.50.2)	Nos	8490	679.2	9169.2	4	36676.8
WATER SUPPLY WORK							
1	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	34140	2,731.20	36,871.20	1	36871.2
2	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24	Each	173	13.84	186.84	12	2242.08

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3	KSRB-13-6.2-2 Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no KBS 13.2.2/ 13.3 page no 93 item no 13.27	Each	141	11.28	152.28	2	304.56
4	KSRB-13-6.3-2 Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no KBS 13.2.6/ 13.3 page no 93 item no 13.33	Each	336	26.88	362.88	2	725.76
5	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc..) page no 99 item no13.86.2 and						
a	20mm nominal OD pipes	m	235	18.80	253.80	43.1	10938.78
b	25mm nominal OD pipes	m	293	23.44	316.44	43.1	13638.564
				TOTAL:			**101397.744**
	SUMMARY:						
							293665.856
	SANITARY WORK						
							101397.744
	WATER SUPPLY WORK				**GRAND TOTAL:**		**395063.6**
					GST Charges (12% of estimated cost)		**47407.632**
					Grand Total		**442471.232**

CERTIFICATE

1) The work spot has been inspected and found to be necessary

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO YELAHANKA GOVT FIRST GRADE COLLEGE IN YELAHANKA DIVISION

3. Sump

								Est.Cost.Rs.	465373
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	2	3.8	3.8	1.90	54.87		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**54.87**	**484.92**	**26608.53**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	2	3.80	3.80	0.10	2.89		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**2.89**	**5510.16**	**15913.34**
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Sqm	2	15.2		0.15	4.56		
	Sump walls	Sqm	8	3.8		1.8	54.72		
		Sqm	8	3.5		1.8	50.40		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**109.68**	**278.64**	**30561.24**
4	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Cover slab	Sqm	2	3.8	3.8		28.88		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**28.88**	**432.00**	**12476.16**

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Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
5	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10									
	For sump								
	Bottom slab	Cum	2	3.80	3.80	0.15	4.33		
	Sump walls	Cum	4	3.80	0.15	1.80	4.10		
		Cum	4	3.50	0.15	1.80	3.78		
	Cover slab	Cum	2	3.80	3.80	0.15	4.33		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**16.55**	**6276.96**	**103871.13**
6	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Sump	Cum					16.55		
		kg	Steel assumed 125 Kg/Cum of Concrete				2068.50		
	Basic rate	Tonne					**2.07**	70966.00	
	Area weightage 8%							5677.28	
	Total	**tonne**					**2.07**	**76643.28**	**158536.62**
7	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						**4.00**	**298.08**	**1192.32**
8	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136.Item No17.4								
	EARTH	Cum	From Item No.1				54.87		
	unloading item	Cum						57	

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Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Basic rate for haulage of materials as per item No. 17.4	t.km	For surface roads exluding Basic rate loading & unloading					2	
	Average Weight of earth (1.28 Tonne/cum.) .)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**54.87**	**67.09**	**3681.34**
9	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification, page no 69 item no 10.5.1								
	For sump						28.88		
	Bottom slab	Sqm	2	3.8	3.8		27.36		
	Sump walls	Sqm	4	3.8		1.8	25.2		
		Sqm	4	3.5		1.8	28.88		
	Cover slab	Sqm	2	3.8	3.8			526.00	
	Basic rate							42.08	
	Area weightage 8%						**110.32**	**568.08**	**62670.59**
	Total							**TOTAL AMOUNT**	**415511.27**
								GST Charges (12% of estimated cost)	**49,861.4**
								Grand Total	**465372.63**

CERTIFICATE:

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO YELAHANKA GOVT FIRST GRADE COLLEGE IN YELAHANKA DIVISION.

4.00	**Rain Water Harwesting**								**46455.20**
								Estimation Cost,Rs	
Sl No	Description of work		Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D			
1.00	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification No. KBS 2.1(b) / 2.3.5. Page No. 6 / Item No. 2.4 of PWD SR 2018-19								
	Main Pit	Cum	1	3.142x1.3x1.3		3.00	3.98		
	Basic Rate							449.00	
	Area Weightage @ 8%							35.92	
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**							68.00	
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 5Km X 2.5 Tonne / km = 38.08							16.00	
	Total						**3.98**	**568.92**	**2265.72**
2.00	KSRRB M2900-2.2. KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 2900 Pag No, 254, Item No. 34.3, PWD SR 2018-19								
		m	1.00			3.00	3.00		
	Basic rate							10145.00	
	Area weightage 8%							811.60	
	Total						**3.00**	**10956.60**	**32869.80**
3.00	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications. specification No. KBS Page No. 7 / Item No. 2.15 of PWD SR 2018-19								
	Rain Water Racharging Pits	Cum	1.00	3.142x1.0x1.0		0.45	1.413		
								2429.00	
	Basic rate							194.32	
	Area weightage 8%						**1.41**	**2623.32**	**3706.75**
	Total								
4.00	**0734 - Providing Aggregate 53 mm nominal size (P.I / I. 24) PWD SR 2018-19**								
	Rain Water Racharging Pits Inside the Ring	Cum	1.00	3.142x1.0x1.0		0.45	0.35		
	Outside the Ring	Cum	1.00	3.142x1.0x3.0		0.45	1.06		
	Total						**1.41**	**1054.29**	**1489.71**
5.00	**0750 - Providing Aggregate 40 mm nominal size (P.II / I. 25) PWD SR 2018-19**								
	Rain Water Racharging Pits	Cum	1.00	3.142x1.0x1.0		0.45	0.35		
	Total						**0.35**	**1091.43**	**385.55**
6.00	**0749 - Providing Aggregate 20 mm nominal size (P.II / I. 28) PWD SR 2018-19**								
	Rain Water Racharging Pits	Cum	1.00	3.142x1.0x1.0		0.45	0.35		
	Total						**0.35**	**1091.43**	**385.55**

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Sl No	Description of work	Unit	Measurement				Qty	Rate	Amount
			No.	L	B	D			
7.80	8334 - Providing sand / Artifical Sand / Manufactured sand (P.H / L 49) PWD SR 2018-19								
	Rain Water Recharging Pits	Cum	1.00	3.142x1.0x1.0		0.30	0.24		
	Total						0.24	1691.43	374.78
								Grand Total	41477.86
								GST Charges (12% of estimated cost)	4977.34
								Total Amount	46455.20

CERTIFICATE:

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NAME OF WORK:- CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO YELAHANKA GOVT FIRST GRADE COLLEGE IN YELAHANKA DIVISION

5	DRAIN							Estimation Cost.Rs		2925509.15
Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount	
1	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80									
	Earthwork Excavation									
	New Drain									
	Drain	Cum	1	30	0.9	1.35	36.45			
	Drain Back Side of Building	Cum	1	92	0.9	0.9	74.52			
								130.00		
								10.40		
	Basic rate							69.80		
	Area weightage 8%									
	5Km lead & Lift= 57+(2*1.28*5)						**110.97**	**210.20**	**23325.89**	
	Total									
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)									
	RCC Drain									
	Drain	Cum	1	30	0.9	0.15	4.05			
	Drain Back Side of Building	Cum	1	92	0.9	0.15	12.42			
								5115.00		
	Basic rate							409.20		
	Area weightage 8%						**16.47**	**5524.20**	**90983.57**	
	Total									
3	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc..Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)									
	Drain									
	Bottom Slab	Cum	1	30	0.9	0.15	4.05			
	Side Walls	Cum	2	30	0.15	1.05	9.45			
	Drain Back Side of Building									
	Bottom Slab	Cum	1	92	0.9	0.15	12.42			

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Side Walls	Cum	2	92.00	0.15	0.6	16.56		
	Basic rate							6670.00	
	Area weightage 8%							533.60	
	Total						**42.48**	**7203.60**	**306008.93**
4	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	For Drain	Cum					42.48		
		kg	Steel assumed 60Kg/Cum of				2548.80		
		tonne					**2.55**		
	Basic rate							70966	
	Area weightage 8%							5677.28	
	Total						**2.55**	**76643.28**	**195348.39**
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting .including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc .copmplete. (Data Rate)								
	New Drain								
	Drain	Sqm	1	30	0.9		27		
	Drain Back Side of Building	Sqm	1	92	0.9		82.8		
								2337.00	
	Data rate						**109.80**	**2337.00**	**256602.60**
	Total								
6	KSRB 14.6.1 Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specifications(Pg No-								
	Parking 1	Sqm	1.00	92.00	6.93		637.10		
	Parking 2	Sqm	1.00	30.00	8.55		256.50		
	Basic rate							1053.00	
	Area weightage 8%							84.24	
	Total						**893.60**	**1137.24**	**1016237.66**
7	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 1 N-2.13 SR 2018-19)								
	Play Area	**Cum**	1.00	35.00	30.00	0.30	315.00		
	Basic rate							2060.00	
	Area weightage 8%							164.80	
	Total						**315.00**	**2224.80**	**700812.00**

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Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2.								
	For Tree Pots	Cum	8.00	4.80	0.20	0.05	0.38		
								5422.00	
	Basic rate							433.76	
	Area weightage 8%						**0.38**	**5858.76**	**2248.61**
	Total								
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	For Tree Pots	Nos	8.00	4.80			38.40		
								408.00	
	Basic rate							32.64	
	Area weightage 8%						**38.40**	**440.64**	**16920.58**
	Total								
10	KSRRB 800-1, Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180, Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	For Tree Pots	Sqm	8.00	4.80		0.40	15.36		
	Kerb in edges	Sqm	1.00	35.00		0.40	14.00		
		Sqm	1.00	30.00		0.40	12.00		
								80.00	
	Basic rate							6.40	
	Area weightage 8%						41.36	**86.40**	**3573.50**
	Total							**Grand Total**	**2612061.74**
								GST 12 %	**313447.41**
								Total Amount	**2925509.15**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:: CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO VELAHANKA GOVT FIRST GRADE COLLEGE IN VELAHANKA DIVISION

6) ELECTRICAL WORK

Estimation Cost Rs 1331187.739

Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount Rs.Ps
			PART A : INTERNAL WIRING SYSTEM				
1			Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FR1.5multistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.				
			Government Firstgrade College				
a	Pg 5	Item 2.1.1a	Short point upto 3m	Point	84	200.00	16800
b	Pg 5	Item 2.1.2a	Medium point above 3m - 6m	Point	20	275.00	5500
			Degree college				
a	Pg 5	Item 2.1.1a	Short point upto 3m	Point	40	200.00	8000
b	Pg 5	Item 2.1.2a	Medium point above 3m - 6m	Point	15	275.00	4125
2	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and **running befour concreting and slab.** The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fisg wire whereever necessary				
			Government Firstgrade College				
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Mtr	212.818	83.00	17663.894
3			Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
			Degree college				
a	Pg 2	Item 1.3.3	32mm dia, 2mm thick	Mtr	73.8	92.00	6789.6
4	pg 2	item 1.2	***Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.***				
			Government Firstgrade College				
a	Pg 2	Item 1.2.1	19/20mm dia, 2mm thick	Mtr	140	40.00	5600
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Mtr	704.76	53.00	37352.28
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Mtr	498.5	83.00	41375.5
			Degree college				
a	Pg 2	Item 1.2.1	19/20mm dia, 2mm thick	Mtr	1725	40.00	69000
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Mtr	7.364	53.00	390.292
5	pg 9	item 3.4	***Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates, the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall***				
			Government Firstgrade College				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	64	95.00	6080
b	Pg 9	item 3.4.2	4 - 5 Way	Each	72	105.00	7560
			Degree college				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	31	95.00	2945

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Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount. Rs.Ps
b	Pg 9	Item 3.4.2	4 - 5 Way	Each	44	105.00	4620
6	pg 9	Item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
			Government Firstgrade College				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	Each	86	132.00	11352
			Degree college				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	Each	50	132.00	6600
7	pg 9	Item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293 (Government First Grade college)	Each	5	171.00	855
8	pg 15	item 3.3	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
			Government Firstgrade College	No	69	194.00	13386
	a	3.3.4	16Amps Combined switch and socket with indication	No	61	211.00	12871
	b	3.3.5	Electronic stepped regulator.				
			Degree college	No	33	194.00	6402
	a	3.3.4	16Amps Combined switch and socket with indication	No	30	211.00	6330
	b	3.3.5	Electronic stepped regulator.				
9			Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.				
			Government Firstgrade College	Mtr	500.629	32.00	16020.128
b	Pg 6	Item 2.5.3	2.5sqmm	Mtr	1203.5	45.00	54157.5
c	pg 6	item 2.5.4	4sqmm				
			Degree college	Mtr	302.91	32.00	9693.12
b	Pg 6	Item 2.5.3	2.5sqmm	Nos	61	85.00	5185
10	Pg 3	Item 1.12	Supplying and fixing Metal Fan Box with Round Hook (Government First Grade college)	Nos	30	85.00	2550
	Pg 3	Item 1.12	Degree college				
			DISTRIBUTION BOARDS				
11	pg 27	item 5.18	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute				
			Government Firstgrade College	Nos	15	1210	18150
b	pg 28	item 5.18.4	12 way SP & N				
			Degree college	Nos	14	1210	16940
b	pg 28	item 5.18.4	12 way SP & N				
12	pg 47	item 6.16	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898				
			Government Firstgrade College	Nos	29	909	26361
a	pg 47	itme 6.16.3	5-32 AMPS DP				
			Degree college	Nos	7	909	6363
a	pg 47	itme 6.16.3	5-32 AMPS DP				
			TOTAL				447017.314
			PART B : EARTHING				

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Sl. no	Schedule page no.	Schedule item no.	Description of Works	Unit	Qty	Std Rate (Rs.)	Amount (Rs.)
13	Pg-88	Item 7.3	Supplying, fixing and wiring earth electrode for grounding conduits, G.I., outlets and others equipments on the meter board using 4mm dia 2.9mm long burried in a pit., the pit should be filled with equal proportion of salt and charcoal 150mm. all round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through G.I wire of size as per specification 7.3.3 of Is 732 using 12mm dia bolt, nut, washers and check nuts etc., the pipe should have 10 through holes of 12mm dia. (Government First Grade college)	No.	1	1998.70	1998.70
			Supplying and running of G.I. copper strips for grounding connections using necessary fixing materials as required.	Mtr	106.11	75.00	7958.25
			PART D : LIGHT FIXTURES				
14	Pg-69	Item 12.4.2	Supplying and fixing of slim box fitting made out of CRC A sheet metal body with locking type holder complete with Excluding Ballast &Flourecent Tube. 1X4' Tube light fitting (Government First Grade college)	Nos	154	300.00	58250.00
				Nos	88	300.00	26400.00
			Degree college				
15	Pg-46	Item 7.3	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles, single phase AC supply conforming to IS:374-1979 and with double ball bearing system				
			Government First grade College	Each	64	2000.00	128250.00
8	Pg-46	Item 7.3.1	48" sweep (1200mm)				
			Degree college	Each	30	2000.00	62790.00
8	Pg-46	Item 7.3.1	48" sweep (1200mm)				
16	pg 78	item 9.1	Supply Exhaust fan of 1440 RPM of (12") size with dracket blades complete for light duty suitable to operate on 230V 50Hz. supply complete	Each	14	1200.00	16800.00
							29490.00
			PART-E-Main LT Panel				
17		6.40	Fabricating supplying and mounting MS box made out of 2mm thick CRCA sheet steel for floor I wall mounting, fully weather proof with provision for heat dissipation provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc complete (4306.40) (Government First Grade college)				
a		6.40.1	14SWG	Sqft	1	2000.00	2000.00
17		6.38	Supplying .....amps rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/PVC insulator which are mounted on powder coated 40x6mm M.S flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc complete (4306.38)(Government First Grade college)				
a		6.38.1	1600Amps 4x75x10mm Alluminium Strips	Mtr	1	1833.00	1833
18		6.39	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc and painted with 2 coats of red oxide and then two coats of approved paint (4306.39) (Government First Grade college)				
a		6.39.1	75x75x6mm	Mtr	3	575.00	900
b		6.39.4	75x150x50x6mm C channel	Mtr	3	648.00	1306
19		6.13	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws bolts nuts and washers complete protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault as per IS:13947 (Part -2)-(153/4.12)-(Government First Grade college)				
			FOUR POLE				
a		6.13.7	630Amps 50kA	Each	1	100440.00	100440
b		6.13.6	63/100Amps 25kA	Each	1	8800.00	8800

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Sl. no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
20		6.16	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' cure, indicator ON/OFF, energy cross-3 with Short circuit breaking cappacity of 10K and complete wiring as required Confirming to IEC 60898 (54/6.15) (Government First Grade college)				
8		6.16.6	**40-63Amps TPN**	**Each**	**30**	**1936.00**	**58080**
21		6.31	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired (Government First Grade college)	**Each**	**30**	**3778.00**	**113340**
22		6.36	**Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C, 50 Hz 12/24v D.C (48/6.36) (Government First Grade college)**	Each	1	442.00	**442**
23		6.32	**Supplying, fixing and wiring 50/5 to 1000/5Amps 5VA burden Current Transformer, Class 0.5 accuracy with Tape Wound (48/6.32)(Government First Grade college)**	Each	1	720.00	**720**
				TOTAL			**240511**
			PART-F-LT UG CABLES				
24			Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cs 10Sq mm wire armoured) Confirming to IS-3975:1990 (No of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with specified IS-1554 Part-1 1998 & confirming to the attached GTP of GROUP A (62/7.4) (Government First Grade college)				
		6.4		Mtr	108.3	1130.00	**122379**
		6.4.13	3.5 core 240 sqmm	Mtr	24.2	180.00	**4356**
		6.4.5	3.5 core 25 sqmm				
25			Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct (68/7.8)(Government First Grade college)				
		6.5		Mtr	24.2	15.50	**375.1**
		6.5.2	25 sqmm to 75 sqmm	Mtr	72.2	32.00	**2310.4**
		6.5.4	300 sqmm 400 Sqmm				
26			Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes (64/7.21) (Government First Grade college)				
		6.17		Each	4	20.59	**82.36**
		6.17.7	25 sqmm Long Barrel	Each	4	338.00	**1352**
		6.17.16	300 sqmm Long Barrel				
27			Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) (Government First Grade college)				
		6.11		Each	4	255.00	**1020**
		6.11.5	50mm dia	Each	4	496.00	**1984**
		6.11.7	75mm dia				
28			Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating (68/7.9)(Government First Grade college)				
		7.9		Mtr	70	106.00	**7420**
		7.9.2	In soil (hard)				
29			Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class (68/7.12)(Government First Grade college)				
		7.12					
		7.12.1	**40mm**	**Mtr**	**10**	**345.00**	**3450**
		7.12.3	**65mm**	**Mtr**	**10**	**585.00**	**5850**
						TOTAL	**150578.86**
						GRAND TOTAL	**1143917.624**
						ADD 12% GST	**137270.1149**
						Bescom Charges	**50000**
						Sub Total	**1331187.739**

CERTIFICATE

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2012-13, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
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Executive Engineer
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Executive Engineer
BBMP

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6/12/19

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BRUHAT BENGALURU MAHANAGARA PALIKE

Name of the work :- Construction of Health Building at 8 Jacket in Ward No.04 in Yelahanka Satellite Town sub Division

S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB M.2(2)-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification.M-15 & M-20 & above. (PWD SR 2018-19, P-138, Item-18.20) By Mechanical Means								
	Existing Ground Floor slab	CUM	1	10.60	7.90	0.15	12.56		
	Existing main wall		4	8.60	0.23	3.00	26.50		
	Partition wall		4	6.50	0.23	3.00	18.04		
	Compound wall		1	21.64	0.23	1.80	8.96		
			2	15.78	0.23	1.50	10.87		
							77.93	421.20	32825.05
	Basic Rate =	390.(X)							
	Area Weightage @ 8% =	31.20							
	Total Rate per Unit =	421.20							
2	KSRB 2-1.1 :Earthwork in surface excavation in Ordinary Soil for Levelling and Lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. (Page no. 6: Item 2.1 P.W.D. SR-2018-19)								
		CUM	1	21.64	15.78	0.74	252.37		
							252.37		
	Basic Rate =	249.(X)							
	Area Weightage @ 8% =	19.92						268.92	67867.(X)
	Total Rate per Unit =	268.92							
3	KSRB 2-2.2 Earth work excavation for foundation of building, culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.(Pg No 6-Item No 2.4 P.W.D. SR-2018-19)								
	Column Footing	Cum							
	F1A		2	2.20	2.20	2.50	24.20		
	F1		6	2.20	2.50	2.50	82.50		
	F2		12	2.40	2.70	2.50	194.40		
	F3		4	2.60	2.90	2.50	75.40		
	EXTERNAL WALLS								
	External Plinth wall Vertical		2	11.00	1.00	2.50	55.00		
	External Plinth wall Horizontal		2	19.50	1.00	2.50	97.50		
	SUMP Tank		1	3.40	3.40	2.50	28.90		
	Basic Rate =	449.00					557.90		
	Area Weightage @ 8% =	35.92							
	Total Rate per Unit =	484.92						484.92	270537.00
4	KSRB 4-1.2 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification (page No 13-Item No 4.2 P.W.D. SR-2018-19)								
	Column Footing	Cum							
	F1A		2	2.00	2.00	0.15	1.20		
	F1		6	2.00	2.30	0.15	4.14		
	F2		12	2.20	2.50	0.15	9.90		
	F3		4	2.40	2.70	0.15	3.89		
	EXTERNAL WALLS								

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	F3								
	SUMP TANK		4	9.40		0.600	22.56		
			1	12.00		0.450	5.40		35276.00
							126.60	278.64	
	Basic Rate =	258.00							
	Area Weightage @ 8% =	20.64							
	Total Rate per Unit =	278.64							
7	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWD -SR 2018-19, P-14, I-4.12)								
	FOR GROUND FLOOR								
	Under Ground Tank(sump)	CUM	1	12.00	0.15	2.00	3.60		
	Column up to Plinth level	CUM							
	C1A -CIRCULAR		2	0.07		2.00	0.28		
	C1		6	0.20	0.60	2.00	1.44		
	C2		12	0.20	0.60	2.00	2.88		
	C3		4	0.20	0.60	2.00	0.96		
	Column up to ground floor roof level	CUM							
	C1A -CIRCULAR		2	0.07		3.125	0.44		
	C1		6	0.20	0.60	3.125	2.25		
	C2		12	0.20	0.60	3.125	4.50		
	C3		4	0.20	0.60	3.125	1.50		
	GF TO FF STAIRE CASE	CUM							
	Steps	2	1x21x0.5	1.20	0.15	0.30	1.13		
	Landing	2	2	2.25	1.20	0.15	1.13		
	WAIST SLAB	2	1	5.30	1.2	0.15	1.13		
		2	1	2.00	1.2	0.15	1.13		
							22.39	6528.60	146179.43
	Basic Rate =	6045.00							
	Area Weightage @ 8% =	483.60							
	Total Rate per Unit =	6528.60							
	FOR FIRST FLOOR								
	Column up to ground floor roof to First Floor level	CUM							
	C1A -CIRCULAR		2	0.07		3.20	0.45		
	C1		6	0.20	0.60	3.20	2.30		
	C2		12	0.20	0.60	3.20	4.61		
	C3		4	0.20	0.60	3.20	1.54		
	FF TO SF STAIRE CASE	CUM							
	Steps	2	1x21x0.5	1.20	0.15	0.30	1.13		
	Landing	2	2	2.14	1.20	0.15	1.13		
	WAIST SLAB	2	1	5.30	1.2	0.15	1.13		
		2	1	2.00	1.2	0.15	1.13		
	Basic Rate =	6045.00					13.44	6593.40	88591.88
	Lift charges	60.00							
	Area Weightage @ 8% =	488.40							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Total Rate per Unit =		6593.40						
	FOR SECOND FLOOR								
	Column up to FIRST floor roof to SECOND Floor level	CUM							
	C1A -CIRCULAR		2	0.07		3.20	0.45		
	C1		6	0.20	0.60	3.20	2.30		
	C2		12	0.20	0.60	3.20	4.61		
	C3		4	0.20	0.60	3.20	1.54		
	SF TO TF STAIRE CASE								
	Steps	CUM							
	Landing	2	1x21x0.5	1.20	0.15	0.30	1.13		
	WAIST SLAB	2	2	2.14	1.20	0.15	1.13		
		2	1	5.30	1.2	0.15	1.13		
		2	1	2.00	1.2	0.15	1.13		
	Basic Rate =		6045.00				13.44	6658.20	89462.56
	Lift charges		120.00						
	Area Weightage @ 8% =		493.20						
	Total Rate per Unit =		6658.20						
	FOR HEAD ROOM &LIFT ROOM								
	Column up to SECOND floor roof to TERRACE Floor level	CUM							
	C1		6	0.20	0.60	3.20	2.30		
	Basic Rate =		6045.00				2.30	6723.00	15489.79
	Lift charges		180.00						
	Area Weightage @ 8% =		498.00						
	Total Rate per Unit =		6723.00						
8	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P.W. D S.R 2018-19)								
	Ground Floor	Sqm							
	Under Ground Tank(sump)		1	24.00		2.00	48.00		
	For Column up plinth level								
	C1A -CIRCULAR		2	0.07		2.00	0.28		
	C1		6	1.60		2.00	19.20		
	C2		12	1.60		2.00	38.40		
	C3		4	1.60		2.00	12.80		
	Column up to ground floor roof level								
	C1A -CIRCULAR		2	0.07		3.125	0.44		
	C1		6	1.60		3.125	30.00		
	C2		12	1.60		3.125	60.00		
	C3		4	1.60		3.125	20.00		
	GF TO FF STAIRE CASE								
	Steps	2	21.00	1.20	0.15		2.27		
	Landing	2	1.00	2.14	1.20		1.54		
	WAIST SLAB	2	1.00	5.30	1.20		3.82		
	Basic Rate =		456.00				236.75		
	Area Weightage @ 8% =		36.48					492.48	116594.00
	Total Rate per Unit =		492.48						
	FOR FIRST FLOOR								
	Column up to FIRST floor roof to SECOND Floor level								
	C1A -CIRCULAR		2	0.07		3.125	0.44		

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	C1		6	1.60		3.125	30.00		
	C2		12	1.60		3.125	60.00		
	C3		4	1.60		3.125	20.00		
	FF TO SF STAIRE CASE								
	Steps	CUM					1.13		
	Landing	2	1x21x0.5	1.20	0.15		3.08		
	WAIST SLAB	2	2	2.14	1.20		3.82		
		2	1	5.30	1.2		1.44		
		2	1	2.00	1.2		119.91		
	Basic Rate =	456.00						519.48	62293.00
	Lift charges	25.00							
	Area Weightage @ 8% =	38.48							
	Total Rate per Unit =	519.48							
	FOR SECOND FLOOR								
	Column up to FIRST floor roof to SECOND Floor level	CUM							
	C1A -CIRCULAR		2	0.07		3.125	0.44		
	C1		6	1.60		3.125	30.00		
	C2		12	1.60		3.125	60.00		
	C3		4	1.60		3.125	20.00		
	SF TO TF STAIRE CASE								
	Steps	CUM					3.78		
	Landing	2	1x21x0.5	1.20	0.15		3.08		
	WAIST SLAB	2	2	2.14	1.20		3.82		
		2	1	5.30	1.2		1.44		
		2	1	2.00	1.2		122.56	546.48	66976.28
	Basic Rate =	456.00							
	Lift charges	50.00							
	Area Weightage @ 8% =	40.48							
	Total Rate per Unit =	546.48							
	FOR HEAD ROOM								
	C1		6	1.60		3.125	30.00		
	Basic Rate =	456.00					30.00	573.48	17204.40
	Lift charges	75.00							
	Area Weightage @ 8% =	42.48							
	Total Rate per Unit =	573.48							
9	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum. with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. machine mixed. concrete laid in layers not exceeding 15 cms thick. vibrated for all works in ground floor level for roof slabs. staircase. lintles and beams retaining walls. return walls. walls (any thickness) including attached pilasters. columns. .pillars. posts. struts. buttresses. string or lacing courses. parapets. coping. bed blocks. anchor blocks. plain window cills. fillets etc.. including cost of all materials. labour. HOM of machinery. curing. complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1. 4.6 (PWD -SR 2018-19. P-14. I-4.12)								
	Ground floor Sump & Plith Beam	Cum							
	EXTERNAL WALLS								
	External Plinth wall Vertical		2	11.00	0.20	0.45	1.98		
	External Plinth wall Horizontal		2	19.50	0.20	0.45	3.51		
	SUMP Tank		1	3.20	3.20	0.15	1.54		
	INNER PLINTH BEAM								
	Grid -06		1	3.30	0.20	0.45	0.30		
	Grid -05		1	15.84	0.20	0.45	1.43		
	Grid -04		1	10.75	0.20	0.45	0.97		

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S.No	Description of work	Unit	Nos.	L	B	D	Qty	Rate	Amount
	Grid -3		1	2.25	0.20	0.45	0.20		
	Grid -C		1	111.45	0.20	0.45	1.03		
			2	4.40	0.20	0.45	0.79		
	Grid -E		1	111.45	0.20	0.45	1.03		
	Grid -G		1	111.45	0.20	0.45	1.03		
	PARTITION WALL		1	20.00	0.15	0.45	1.35		
	Basic Rate =	6045.00					15.16		98974.00
	Area Weightage @ 8% =	483.60						6528.60	
	Total Rate per Unit =	6528.60							
10	KSRB 4.6.4: Providing and removing centring, shuttering,propping etc., and removal of form work for vertical surface such as walls at any thickess, including attached pilastrers, buttresses, plinth and srring courses cost of all materials,labour complete as per specifications. (page no 16 item 4.31 P.W.D SR -2018-19)								
	Plinth Beam Side	Sqm							
	External Plinth wall Vertical		4	111.00		0.45	19.80		
	External Plinth wall Horizontal		4	19.50		0.45	35.10		
	SUMP Tank		1	10.24			10.24		
	INNER PLINTH BEAM								
	Grid -06		2	3.30		0.45	2.97		
	Grid -05		2	15.84		0.45	14.26		
	Grid -04		2	10.75		0.45	9.68		
	Grid -3		2	2.25		0.45	2.03		
	Grid -C		2	111.45		0.45	10.31		
			4	4.40		0.45	7.92		
	Grid -E		2	111.45		0.45	10.31		
	Grid -G		2	111.45		0.45	10.31		
	PARTITION WALL		2	20.00		0.45	18.00		
							150.93	386.64	58356.00
	Basic Rate =	358.00							
	Area Weightage @ 8% =	28.64							
	Total Rate per Unit =	386.64							
11	KSRB 5.2.3 Providing and constructing grinite /trap/basalt size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in coursenor less than 20cm high bond stones at two m apart in each course including cost of materils ,labour curing complete as per specification.(page 25 : item 5.6 @ P.W.D SR-2018-19)								
	Main wall For Foundation	Sqm							
	External Plinth wall Vertical		2	111.00	0.900	0.60	111.88		
			2	111.00	0.750	0.40	6.60		
			2	111.00	0.450	0.40	3.96		
	External Plinth wall Horizontal		2	19.50	0.900	0.60	21.06		
			2	19.50	0.750	0.40	11.70		
			2	19.50	0.600	0.40	9.36		
	Basic Rate =	4596.00					64.56	4963.68	320455.00
	Area Weightage @8% =	367.68							
	Total Rate per Unit =	4963.68							
12	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (page 25 : item 5.9 @ P.W.D SR-2018-19)								

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Main wall For Foundation	Cum							
	External Plinth wall Vertical		2	11.00	0.450	0.40	3.96		
	External Plinth wall Horizontal		2	19.50	0.450	0.40	7.02		
	Basic Rate =	5483.00					10.98	5921.64	65020.00
	Area Weightage @8% =	438.64							
	Total Rate per Unit =	5921.64							
13	KSRB-15.2.2 Providing ruled pointing to coursed stone masonry with cement mortar 1:3 , 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,labour,curing complete as per specification (page 115 : Item 15.8 @ P.W.D SR-2018-19)								
	Main wall For Foundation	Sqm					8.80		
	External Plinth wall Vertical		2	11.00		0.40	15.60		
	External Plinth wall Horizontal		2	19.50		0.40	24.40	49.68	1212.00
	Basic Rate =	46.00							
	Area Weightage @ 8% =	3.68							
	Total Rate per Unit =	49.68							
14	KSRB 2.3 : Filling available excavated earth (excluded rock)in side of founation upto plinth in layers not exceeding 20cms In depth compacting each deposited layers by ramming after watering with lead up to 50m. And lift up to 1.5m including cost of all labours complete as per specification (page 7 : item 2.10 @ P.W.D SR-2018-19)								
	Excavation	Cum					557.90		
	Excavated Earth=						123.28		
	Construction of (Bed+Footing)=								
	Net Qty of Available Earth=						434.62		
	Basic Rate =	201.00						217.08	94346.44
	Area Weightage @ 8% =	16.08							
	Total Rate per Unit =	217.08							
15	KSRB 5-14 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.No.27 I.No.5.27.1 of PWD SR 2018-19)								
	OR								
	Providing and constructing mud blocks in superstructure including cost of materils, labours charges,scafolding,curing,complete as per specification.								
	GROUND FLOOR	SQM							
	Horizontal walls		1	19.64		2.55	50.08		
	Horizontal walls		1	10.94		2.55	27.90		
	Horizontal walls		1	10.94		2.55	27.90		
	Horizontal walls		1	16.25		2.55	41.44		
	Horizontal walls		1	3.30		2.55	8.42		
	Vertical walls		2	11.86		2.55	60.51		
	Vertical walls		6	4.40		2.55	67.32		
	Vertical walls		1	4.00		2.55	10.20		
	Vertical walls		1	4.80		2.55	12.24		
	DEDUCTIONS								
	FOR GROUND FLOOR								
	ED		-1	3.50		2.10	-7.35		
	D		-3	1.20		2.10	-7.56		
	D1		-4	0.90		2.10	-7.56		
	W		-1	1.80		1.20	-2.16		
	W1		-8	1.20		1.35	-12.96		
	V		-10	0.60		0.45	-2.70		

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